

The catalytic exhaust gas cleaning system and a corresponding compensation layer are especially suitable for automotive

called swelling mat from strongly pulsating streams of exhaust gases, even at very high ambient temperatures. A compensation

layer which includes the swelling mat and an insulting mat is disposed between an outer housing and a honeycomb of an

preferably by folding the insulating mat. The folder-over edge bead is thicker than the remaining inner area of the

insulating mat. Next to the side of the inner area facing away

from the honeycomb, the welling mat is arranged so that the

thicker area of the edging of the insulating mat covers those

edge areas of the swelling mat which are at risk of abrasion.

The compensation layer preferably consists of a composite

material which can be wound. The simple and effective

construction is also suitable for use in devices within motor

vehicle exhaust gas cleaning systems which are situated close

to the engine, even when thin-walled-ceramic honeycombs are used.